

Abstract

Bolometric detector with antenna comprising a switch and imagery device comprising same.

The bolometric detector comprises at least one receiver antenna designed to collect electromagnetic waves. The antenna is extended by a resistive load converting the power from the electromagnetic waves into calorific power. Said resistive load is in contact with a thermometric element detecting the temperature rise relating to the calorific power generated. A switch arranged between the antenna and the resistive load enables the current flow between the antenna and the resistive load to be modulated by means of control means. The switch can for example be a micro-device with a bimetal effect thermal actuator.